

M12 male 90° X-cod. / RJ45 male 0° shielded

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 7.5m

Ethernet CAT6A

Plastic housings with good resistance against chemicals and oils.

Male 90° – male straight

M12 – RJ45, 8-pole

X-coded

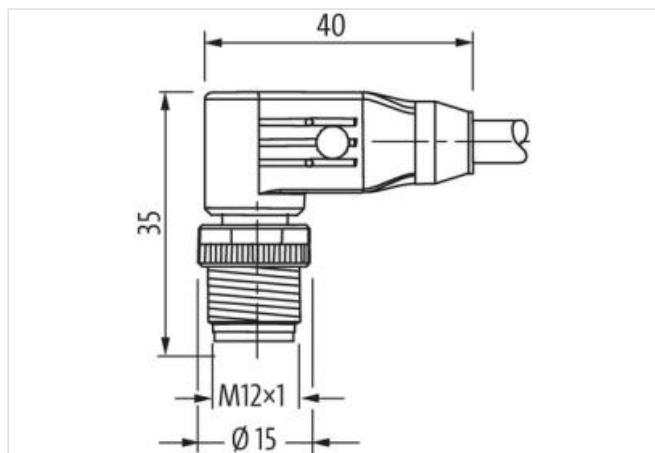
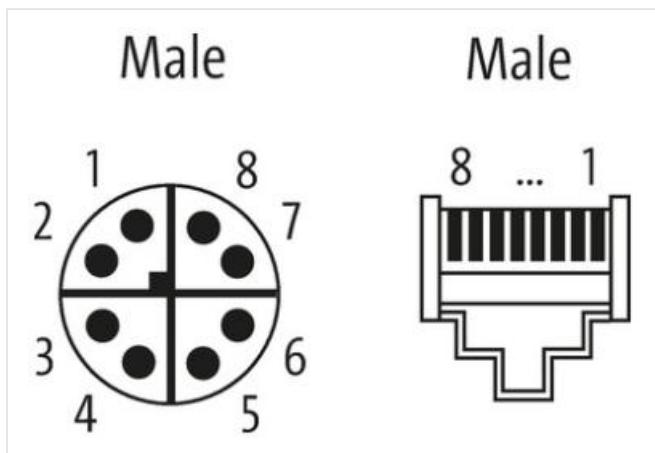
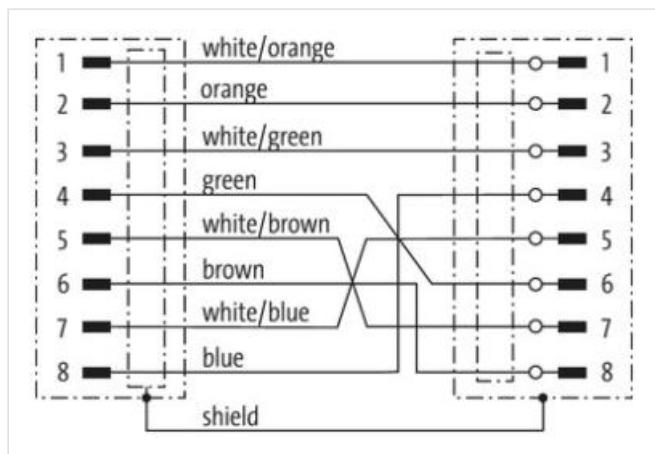
shielded

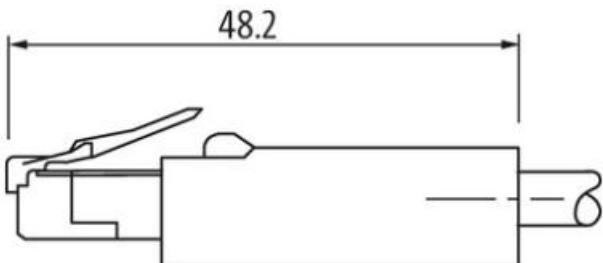
without cable sleeves

Protection cap

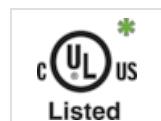
Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



EtherNet/IP



* only for products with UL/CSA approved cable

Form

Form 51201

Technical Data

Operating voltage	max. 60 V DC
Rated surge voltage	1.0 kV
No. of poles	8
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	10 Gbit/s
Material group	IEC 60664-1, category I

General data

Mounting method	inserted, tightened
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

Cable identification	S4X
Approval (cable)	UL (AWM-Style 2463/11547), CSA
Cable weight [g/m]	65,48 g
Material (wire)	Cu wire, tin plated
Resistor (core)	max. 140 Ohm/km
Single wire Ø (core)	0.16 mm
Construction (core)	7 × 0.16 mm
Diameter (core)	4 × 2 × 0.14 mm ²
Material (wire isolation)	HDPE
Wire-Ø incl. isolation	0.9 mm ±5%
Color/numbering of wires	(wh-bl, bl) + (wh-or, or) + (wh-gn, gn) + (wh-br, br)
Shield	yes
Shield (Type)	Copper braid
optical shield cover	min. 75%
Material (jacket)	TPE
Outer-Ø (jacket)	7.4 mm ±5%
thermal resistance	flame retardant
Nominal voltage	600 V
Test voltage	max. 1.5 kV AC (2s)

The information in this brochure has been compiled with the utmost care.

Liability for the correctness, completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-14

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Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Travel speed (C-track)	max. 1.2 m/s
Acceleration (C-track)	max. 2.4 m/s ²
No. of torsion cycles	max. 3 Mio. (25 °C)
Torsion speed	60 cycles/min
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Product article number of manufacturer	7700-51201-S4X0750
Cable length	7,5 m